

Converting Colors

$Y_{xy}(15.9499, 0.2983, 0.2902)$

Have a look what the booklet for
Yxy(15.9499, 0.2983, 0.2902)
contains.

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Color

Yxy(15.9966, 0.2988, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	746C80
RGB	116, 108, 128
RGB Percent	45%, 42%, 50%
CMY	0.5449, 0.5765, 0.4980
CMYK	0.09, 0.16, 0.00, 0.50
HSL	264°, 8%, 46%
HSV	264°, 16%, 50%
XYZ	16.4650, 15.9966, 22.6421
YIQ	112.6720, -1.6520, 7.9160

Conversions

Conversions Part 2

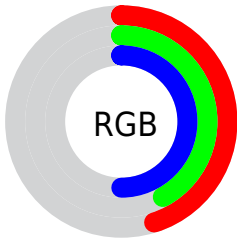
Format	Color
R_{YB}	116, 108, 128
Decimal	7629952
CIE _{Lab}	46.97, 7.30, -9.92
CIE _{LCh}	47, 12.320, 306.359
Yxy	15.9966, 0.2988, 0.2903
Android (android.graphics.Color)	4285820032 (0xFF746C80)
YUV	112.6720, 7.5567, 2.9187
Hunter-Lab	39.9957, 3.4902, -5.5678

Details

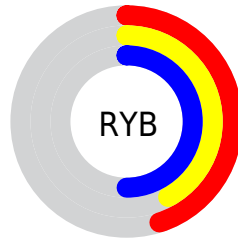
The Yxy color **15.9966, 0.2988, 0.2903** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5109, 0.3252, 0.3672**, and the grayscale version is **16.3905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4573, 0.3020, 0.2985**, and **5.1309, 0.2923, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **12.9897, 0.2882, 0.2629**, and if you desaturate by 10%, it is **19.4445, 0.3081, 0.3157**.

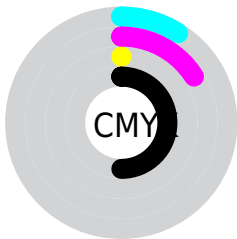
Distribution



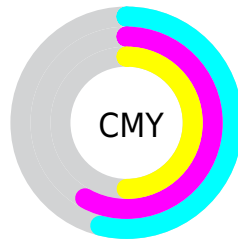
- Red (45%)
- Green (42%)
- Blue (50%)



- Red (45%)
- Yellow (42%)
- Blue (50%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (58%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9966, 0.2988, 0.2903 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.9966, 0.2988, 0.2903 by changing the saturation by 10% instead.


 15.9966, 0.2988,
0.2903

 15.9966, 0.2988,
0.2903


229.3217, 0.3071,
0.3126

 9.5217, 0.2961,
0.2834


 36.5923, 0.3022,
0.2993


 5.0830, 0.2921,
0.2736

 51.4819, 0.3034,
0.3024

 2.2961, 0.2855,
0.2585

 69.9453, 0.3043,
0.3049

 0.7716, 0.2737,
0.2311

 92.3668, 0.3051,
0.3070

 0.0000, 0.0000,
0.0000

119.1307, 0.3057,
0.3087

150.6216, 0.3063,

0.3102

187.2238, 0.3067,
0.3115

■ 15.9966, 0.2988,
0.2903

■ 15.9966, 0.2988,
0.2903

■ 12.9897, 0.2882,
0.2629

■ 19.4445, 0.3081,
0.3157

■ 10.4035, 0.2762,
0.2340

■ 23.3485, 0.3160,
0.3388

■ 8.2192, 0.2629,
0.2042

■ 27.7255, 0.3229,
0.3597

■ 6.4155, 0.2487,
0.1747

■ 32.5910, 0.3286,
0.3785

■ 4.9695, 0.2340,
0.1468

■ 37.9596, 0.3335,
0.3952

■ 3.8552, 0.2193,
0.1221

■ 43.8454, 0.3376,
0.4101

■ 3.0434, 0.2054,
0.1019

■ 50.2620, 0.3410,
0.4233

■ 2.4871, 0.1930,
0.0869

■ 57.2224, 0.3439,
0.4350

■ 2.2749, 0.1878,
0.0808

■ 64.7392, 0.3463,
0.4455

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.9966, 0.2784, 0.2886



15.9966, 0.2988, 0.2903



15.9966, 0.3237, 0.3014

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.9966, 0.2988, 0.2903



15.9966, 0.3600, 0.3589



15.9966, 0.2798, 0.3381

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.9966, 0.2988, 0.2903



20.5109, 0.3252, 0.3672

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.9966, 0.3006, 0.3592



15.9966, 0.2988, 0.2903



15.9966, 0.3472, 0.3708

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.9966, 0.2988, 0.2903



15.9966, 0.3598, 0.3399



15.9966, 0.3253, 0.3714



15.9966, 0.2678, 0.3151

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.9966, 0.2988, 0.2903



15.9966, 0.3394, 0.3127



15.9966, 0.3253, 0.3714



15.9966, 0.2859, 0.3457

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.9973, 0.2988, 0.2903



34.5706, 0.3085, 0.3169



18.1783, 0.2895, 0.3133



8.0041, 0.3080, 0.3155



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9973, 0.2988, 0.2903



26.0614, 0.2949, 0.2801



16.7173, 0.3118, 0.2918



4.2896, 0.3050, 0.3071



2.2564, 0.1879, 0.0809



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.6673, 0.3247, 0.3066



27.5042, 0.3281, 0.3009



19.8356, 0.3132, 0.3686



4.3840, 0.3193, 0.3162



5.0754, 0.4499, 0.2252



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9966, 0.2988, 0.2903 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.9966, 0.2988, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

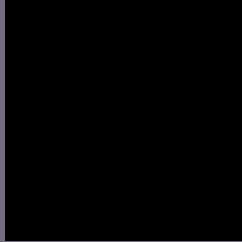
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9966, 0.2988, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 15.9966, 0.2988, 0.2903.



This preview shows how white text looks on a background with the Yxy color 15.9966, 0.2988, 0.2903.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.9966, 0.2988, 0.2903

Protanopia

15.9517, 0.2865, 0.2895

Deuteranopia

16.0732, 0.2962, 0.2920



Tritanopia

16.0373, 0.3082, 0.3131

Trichromacy



Original Color

15.9966, 0.2988, 0.2903

Protanomaly

15.9018, 0.2913, 0.2897

Deuteranomaly

16.1406, 0.2975, 0.2922

Tritanomaly

15.9873, 0.3046, 0.3034

Monochromacy



Original Color

15.9966, 0.2988, 0.2903

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2543, 0.3081, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9966, 0.2988, 0.2903 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 108, 128)` looks like.

```
.text, #text, p{  
    color:rgb(116, 108, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 108, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 108, 128) }
```

Border

The CSS property to change the border of an element to Yxy 15.9966, 0.2988, 0.2903 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 108, 128) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(116, 108, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(116, 108, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 108, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 108, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 108,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9966, 0.2988, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 108, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
108, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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